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HISTORIC AMERICAN ENGINEERING RECORD INDEX TO PHOTOGRAPHS

Hunters Point Naval Shipyard ,
Dry Dock No. 4
San Francisco
San Francisco County
California

HAER No. CA-181-A

Note: Photographs Nos. CA-181-A-1 through CA-181-A-23 are photocopies of 8" x 10" photographs, originals located at Mare Island Naval Shipyard-Historians Office. Photographs CA-181-A-17 through CA-181-A-22 were taken by photographer Mr. William Sparks of the above photo lab. Photograph CA-181-A-23 was taken by Mr. Wes Gibson of the above photo lab. Photographs CA-181-A-6, 10 and 11 are no longer restricted by the Navy and have been released to the public domain. All photographs are 8" x 10" enlargements from 4" x 5" negatives.

- CA-181-A-1 Aerial view looking south at Dry Docks 2 and 3. A battleship (possibly the USS PENNSYLVANIA or USS ARIZONA) is in Dock 3. Future Dry Dock 4 site and Point Avisadero is in the upper right corner of photo (1935). Photographer unknown.
- CA-181-A-2 Aerial view (altitude 3,000 ft.) looking northwest at the start of construction of Dry Dock No. 4. Note the extent of excavations and portion of cofferdam in place at lower center of site (8/13/42). Photographer: C. C. George.
- CA-181-A-3 Aerial view looking south showing Dry Dock No. 4 (left-center) under construction. The cofferdam is clearly visible. Also note the excavation for the pump room at the left (east) end of the dock excavation and excavated step for the counterfort retaining wall extending to the right of the pump room(1/3/43). Photographer unknown.
- CA-181-A-4 Aerial view (altitude 2,000 ft.) looking north showing Dry Dock No. 4 (upper left) under construction. Cofferdam is still in place. Note caisson sitting in caisson seat at east end of dock (2/8/43). Photographer: A. E. Weed, CPHoM.
- CA-181-A-5 Aerial view (altitude 5,000 ft.) looking southeast showing Dry Dock No. 4 completed (top center). Note major expansion of land mass to south of Dry Dock No. 4 resulting from placement of excavated soils and rock prior to and during construction(8/3/43). Photographer: Mr. Rudnick, PHoM 2/C.

Hunters Point Naval
Shipyard, Dry Dock No. 4
HAER No. CA-181-A (page 2)
Index To Photographs

- CA-181-A-6 Aerial view of the Hunters Point Naval Shipyard with Dry Dock No. 4 in the approximate center of photo (1953). Photographer unknown.
- CA-181-A-7 Aerial view of Hunters Point Naval Shipyard looking to the northwest. Dry Dock No. 4 is in the approximate center of the complex (9/30/66). Photographer unknown.
- CA-181-A-8 Aerial view of Hunters Point Naval Shipyard with Dry Dock No. 4 in center, looking southwest (3/27/67). Photographer unknown.
- CA-181-A-9 Site excavations for Dry Dock No. 4, view looking southeast. Note cofferdam at extreme top of site (9/5/42). Photographer unknown.
- CA-181-A-10 View looking northwest at excavation into serpentine rock. Formwork at left is for pump room. Partially completed caisson is in foreground. Portion of Point Avisadero visible at right (12/17/42). Photographer unknown.
- CA-181-A-11 View looking north showing excavation of Point Avisadero. Site of Dry Dock No. 4 is to right of photograph (12/17/42) and is seen in extension photograph number 12 below. Photographer unknown.
- CA-181-A-12 View of Dry Dock No. 4 site, looking east, excavations nearing completion. Note concrete floor already poured and excavated steps in walls for counterfort retaining walls (12/17/42). Photographer unknown.
- CA-181-A-13 View of battleship USS IOWA in Dry Dock No. 4, looking northeast (1945). Photographer unknown.
- CA-181-A-14 View of Dry Dock No. 4 showing double-docking of two US Navy frigates (8/66). Photographer unknown.
- CA-181-A-15 View looking east showing flooding of Dry Dock No. 4 preparatory to undocking of the aircraft carrier USS MIDWAY (12/68). Photographer unknown.

Hunters Point Naval
Shipyard, Dry Dock No. 4
HAER No. CA-181-A (page 3)
Index To Photographs

- CA-181-A-16 Aircraft carrier USS MIDWAY leaving Dry Dock No. 4 after conversion (12/68). Photographer unknown.
- CA-181-A-17 View of floor of Dry Dock No. 4, looking westerly, showing placement of blocks to support docking of the USS ENTERPRISE (11/19/85).
- CA-181-A-18 View of north side dock wall showing utility galleries (11/19/85).
- CA-181-A-19 View of initiation of docking for the USS ENTERPRISE, showing vessel approaching entrance to dock (11/28/85).
- CA-181-A-20 Docking of the USS ENTERPRISE (11/28/85).
- CA-181-A-21 Docking of the USS ENTERPRISE with vessel entering dock (11/28/85).
- CA-181-A-22 Docking of the USS ENTERPRISE with vessel positioned over blocks and pump-down of the dock to commence (11/28/85).
- CA-181-A-23 View, looking east, of USS ENTERPRISE in Dry Dock No. 4 with dock pumped down (11/86).

Note: Photographs Nos. CA-181-A-24 through CA-181-A-32 are photocopies of 8" x 10" photographs, originals located at Mare Island Naval Shipyard-Staff Civil Engineer's office. Photographer unknown-part of staff of the Mare Island Naval Shipyard Photographic Lab; March 1984.

- CA-181-A-24 Pump Room interior-dewatering pump motor on upper level. Note the removable roof hatch (steel frame) directly above motor. Dewatering pumps motor control center at left
- CA-181-A-25 Pump Room interior-drainage pump motor on lower level.
- CA-181-A-26 Pump Room interior-Dewatering pump motor control center.
- CA-181-A-27 Pump Room interior-Drainage pump motor control center with main valve control panel at right.

- CA-181-A-28 Pump Room interior-Main valve control panel with status indicators for main flooding/dewatering valves and gates.
- CA-181-A-29 Pump Room interior-Tide level and dock water level indicators.
- CA-181-A-30 Pump Room interior-Pump output indicators.
- CA-181-A-31 Pump Room interior-Dewatering pump suction and discharge pressure indicators.
- CA-181-A-32 Pump Room interior-Main dewatering pump blade pitch indicator.

Note: Photographs Nos. CA-181-A-33 through CA-181-A-43 are 8" x 10" enlargements of 4" x 5" negatives of construction drawings (various dates), located at Mare Island Naval Shipyard-Staff Civil Engineer's office.

- CA-181-A-33 Drawing R-268 (1916), "Record Of Wash Borings and Test Piles Taken In Vicinity Of Hunters Point, Cal."; showing site in 1916 with Dry Docks 1 and 2 and without Dry Dock No. 4.
- CA-181-A-34 Yards & Docks (Y & D) Drawing 216244 (1943), "Dry Dock Bilge Block And Drainage Layout"; showing basic dry dock floor plan and sectional view.
- CA-181-A-35 Public Works Department (PWD) Drawing 11,654-S-8 (1988), "Hunters Point Dry Dock #4 Service Dry Dock No. 4 Gallery, Separation Walls and Ladders-Plan"; basic dry dock plan view at coping elevation.
- CA-181-A-36 Y&D Drawing 216238 (1944), "Dry Dock Track Work Reinforcing Steel Detail For Outer Crane Rail Beams And Columns-STA 1+20.75 To STA 2+03.67 North Side"; typical detail drawing.
- CA-181-A-37 PWD Drawing 11,654-M-35 (1987), "Dry Dock No. 4 Utility Low Pressure Sensors-Hunters Point"; showing basic plan view at upper level of pump room.
- CA-181-A-38 Y&D Drawing 216455 (1942), "Dry Dock 4 General Arrangement Sections F-F, G-G, H-H, I-I"; sectional views through pump room, flooding and dewatering chambers.

Hunters Point Naval Shipyard
Dry Dock No. 4
HEAR No. CA-181-A (page 5)
Index To Photograph

- CA-181-A-39 Y&D Drawing 216456 (1943), "General Arrangement Section J-J", longitudinal view through pump room and discharge culvert.
- CA-181-A-40 Y&D Drawing 304318 (1944), "Dry Dock No. 4 Plan Drainage, Pump Room And Sections". Lower Rt. Quadrant
- CA-181-A-41 Y&D Drawing 304318 (1944), "Dry Dock No. 4 Plan Drainage, Pump Room And Sections". Lower Lt. Quadrant.
- CA-181-A-42 Y&D Drawing 304318 (1944), "Dry Dock No. 4 Plan Drainage, Pump Room And Sections". Upper Lt. Quadrant.
- CA-181-A-43 Y&D Drawing 304318 (1944), "Dry Dock No. 4 Plan Drainage, Pump Room And Sections". Upper Rt. Quadrant.
- CA-181-A-44 Y&D Drawing 304320 (1944), "Dry Dock No. 4 Longitudinal Section Pumping Chamber". Lower Rt. Quadrant.
- CA-181-A-45 Y&D Drawing 304320 (1944), "Dry Dock No. 4 Longitudinal Section Pumping Chamber". Lower Lt. Quadrant.
- CA-181-A-46 Y&D Drawing 304320 (1944), "Dry Dock No. 4 Longitudinal Section Pumping Chamber". Upper Lt. Quadrant.
- CA-181-A-47 Y&D Drawing 304320 (1944), "Dry Dock No. 4 Longitudinal Section Pumping Chamber". Upper Lt. Quadrant (more detail).
- CA-181-A-48 Y&D Drawing 304320 (1944), "Dry Dock No. 4 Longitudinal Section Pumping Chamber". Upper Rt. Quadrant
- CA-181-A-49 Y&D Drawing 364329 (1944), "Dry Dock No. 4 Pumping Plant Longitudinal Section. Lower Rt. Quadrant.
- CA-181-A-50 Y&D Drawing 364329 (1944), "Dry Dock No. 4 Pumping Plant Longitudinal Section. Lower Lt Quadrant

Hunters Point Naval
Shipyard, Dry Dock No. 4
HAER No. CA-181-A(page 6)
Index To Photographs

- CA-181-A-51 Y&D Drawing 364329 (1944), "Dry Dock No. 4 Pumping Plant
Longitudinal Section. Upper Lt. Quadrant
- CA-181-A-52 Y&D Drawing 364329 (1944), "Dry Dock No. 4 Pumping Plant
Longitudinal Section. Upper Rt. Quadrant.
- CA-181-A-53 Y&D Drawing 194714 (1942), "Dry Dock No. 4 Caisson, Profiles And
Sections. Lower Rt. Quadrant.
- CA-181-A-54 Y&D Drawing 194714 (1942), "Dry Dock No. 4 Caisson, Profiles And
Sections. Lower Lt. Quadrant.
- CA-181-A-55 Y&D Drawing 194714 (1942), "Dry Dock No. 4 Caisson, Profiles And
Sections. Upper Lt. Quadrant.
- CA-181-A-56 Y&D Drawing 194714 (1942), "Dry Dock No. 4 Caisson, Profiles And
Sections. Upper Rt. Quadrant.